

CLAIMS

1. A subscriber station apparatus for set management in a broadcast communication system, comprising:
 - means for receiving a first list identifying a first set of sectors;
 - means for measuring a quality metric of a forward link transmitted by each identified sector;
 - means for removing from said first list an identifier of a sector whose measured quality metric exceeds a first predetermined level;
 - means for placing the identifier of the sector into a second list;
 - means for generating a third list identifying a third set of sectors identifying all sectors unlisted in the first set or the second set;
 - means for removing from the third set an identifier of a sector whose measured quality metric exceeds the first predetermined level; and
 - means for placing the identifier of the sector in the second list.
2. A subscriber station apparatus for set management in a broadcast communication system, comprising:
 - means for receiving a first list identifying a first set of sectors;
 - means for measuring a quality metric of a forward link transmitted by each sector identified in the first list;
 - means for removing from said first list an identifier of a sector whose measured quality metric exceeds a first predetermined level;
 - means for placing the identifier of the sector in the second list; and
 - means for generating a third list identifying a third set of sectors in accordance with said measured quality metric, comprising:
 - means for removing from said second list an identifier of a sector whose measured quality metric exceeds a second predetermined level; and
 - means for placing the identifier of the sector in the third list.
3. The subscriber station apparatus of claim 2, further comprising:
 - means for removing from said second list an identifier of a sector whose measured quality metric falls below the first predetermined level; and

means for placing the identifier of the sector in the first list.

4. A subscriber station apparatus for set management in a broadcast communication system, comprising:

means for receiving a first list identifying a first set of sectors;

means for measuring a quality metric of a forward link transmitted by each sector identified in the first list;

means for removing from said first list an identifier of a sector whose measured quality metric exceeds a first predetermined level;

means for placing the identifier of the sector in the second list; and

means for generating a third list identifying a third set of sectors in accordance with said measured quality metric, comprising:

means for starting a timer when an identifier of a sector is placed in the second list;

means for removing from said second list the identifier of the sector when said timer expires and the sector's quality metric is above the second predetermined level; and

means for placing the identifier of the sector in the third list.

5. The subscriber station apparatus of claim 4, further comprising:

means for stopping the timer when the sector's quality metric falls below the second predetermined level.

6. The subscriber station apparatus of claim 5, further comprising:

means for removing from said second list the identifier of the sector when the sector's quality metric falls below the first predetermined level; and

means for placing the identifier of the sector in the first list.